

Lifetime Limited Warranty

The duration of the warranty for the 100BASE-TX Transceiver Module (3C16680) is lifetime.

Advance hardware exchange is available during the first year from your date of purchase in accordance with 3Com's standard terms and conditions for such service. After the first year, the warranty reverts to 3Com's standard lifetime limited warranty.

To qualify for the lifetime limited warranty and the advance hardware exchange, you must submit the appropriate product warranty registration card to 3Com, otherwise this product will be warranted for a period of one (1) year without advance hardware exchange.

HARDWARE: 3Com warrants its hardware products to be free from defects in workmanship and materials, under normal use and service, for the following lengths of time from the date of purchase from 3Com or its Authorized Reseller:

Network adapters:	Lifetime
Other hardware products:	One year unless otherwise specified above
Spare parts and spares kits:	90 days

If a product does not operate as warranted above during the applicable warranty period, 3Com shall, at its option and expense, repair the defective product or part, deliver to Customer an equivalent product or part to replace the defective item, or refund to Customer the purchase price paid for the defective product. All products that are replaced will become the property of 3Com. Replacement products may be new or reconditioned. Any replaced or repaired product or part has a ninety (90) day warranty or the remainder of the initial warranty period, whichever is longer.

3Com shall not be responsible for any software, firmware, information, or memory data of Customer contained in, stored on, or integrated with any products returned to 3Com for repair, whether under warranty or not.

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GOVERNING LAW: This Limited Warranty shall be governed by the laws of the state of California.

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Part No. DUA1668-0AAA01
Published May 1997



100BASE-TX TRANSCEIVER MODULE USER GUIDE

The 100BASE-TX Transceiver Module

The 100BASE-TX Transceiver Module (3C16680) is designed for use with 3Com's SuperStack® II range of units.

The Module can be installed in a suitable unit with a Fast Ethernet (100Mbps) transceiver port slot. At present, suitable units are:

- SuperStack II PS Hub 50 (3C16450)

The Module may also be installed in other suitable units, released by 3Com since this user guide was published.

 **CAUTION:** *Do not install the Module in unsuitable units such as 10Mbps-only hubs or Hub 100 units. Contact your supplier for advice if necessary.*

When installed in a suitable unit, the Module provides a single 100Mbps Fast Ethernet 100BASE-TX twisted pair port. You can use this port to provide a high-speed connection to the rest of your network infrastructure, or to a local server or endstation.

Examples of network configurations, information about configuring ports through management, and more information about Fast Ethernet configuration rules can be found in the unit's user guide.

Important Safety Information

 **WARNING:** *Installation and removal of the Module must be carried out by qualified personnel only. Before installing the Module into a unit, you must first disconnect the unit from the mains power supply. For full safety instructions, refer to the user guide that accompanies the unit.*

L'information de Sécurité Importante

 **AVERTISSEMENT:** *L'installation et l'enlèvement de l'unité doivent être faits seulement par le personnel qualifié. Avant d'installer le module dans une unité ou de l'en retirer, vous devez d'abord déconnecter les alimentations électriques de l'unité. Pour plus de détails sur les instructions de sécurité, veuillez vous référer au guide utilisateur qui accompagne cette unité.*

Wichtige Sicherheitsinformationen

 **WARNUNG:** *Ein- und Ausbau des Gerätes ist nur von Fachpersonal vorzunehmen. Vor der Installation des Module in das Gerät muß das Gerät vom Netz getrennt werden. Bitte beachten Sie die Sicherheitsinformationen im Handbuch des Gerät.*

Handling the Module

 **CAUTION:** *The Module can easily be damaged by electrostatic discharge.*

To prevent damage, observe the following:

- Do not remove the Module from its packaging until you are ready to install it into the unit.
- Do not touch any of the pins, connections or components on the Module.
- Handle the Module only by its edges and front panel.
- Always wear an anti-static wristband connected to a suitable earth point.
- Always store or transport modules in appropriate anti-static packaging.

Setting the MDI/MDIX Link

The 100BASE-TX Transceiver Module has a movable link for configuring the port as MDI or MDIX; see [Figure 1](#). The Module is supplied with the link set to MDI.

The general rule for setting the link is:

- Set to MDI — for connecting the Module port to an MDIX port on another hub or switch, using a ‘straight through’ cable.
- Set to MDIX (cross-over) — for connecting the Module port to an endstation or server, using a ‘straight through’ cable.

To move the link, ensure you are wearing an anti-static wristband connected to a suitable earth point. Hold the edges of the Module’s board and pull the link firmly away from the board. Replace the link in the correct position.

Installing the Module into a Unit

- 1 Ensure that the unit is disconnected from the mains power supply, and you are wearing an anti-static wristband connected to a suitable earth point.
- 2 Place the unit on a flat surface. Using a suitable screwdriver, remove the blanking plate from the rear of the unit to reveal the slot for the Module. Do not remove any other screws from the rear of the unit. Refer to the user guide supplied with the unit if uncertain of the position of the blanking plate.
- 3 Keep the blanking plate in a safe place. If you remove the Module at any time, you must replace the blanking plate to prevent dust and debris entering the unit and to aid the circulation of cooling air.
- 4 Hold the Module so that the text on the front panel is upright, and slide it into the unit, ensuring the edge connector is fully engaged. The front panel of the Module should lie flush against the rear panel of the unit. Fix the front panel of the Module to the unit, using the two screws from the blanking plate.

Connecting and Powering Up

- 1 Insert the RJ45 connector on your cable into the socket on the Module. Connect the other end of the cable to an appropriate device with a 100Mbps Fast Ethernet 100BASE-TX twisted pair interface. The 100BASE-TX port supports Category 5 cable over a maximum length of 100m (328ft).
- 2 Power up the unit.
- 3 Check the LEDs on the front of the unit to ensure that the Module is operating correctly.

LEDs

LEDs on the unit indicate the Module status. Refer to the user guide that accompanies the unit for a description of the LED behavior.

Problem Solving

If you suspect a problem, carry out the following checks before contacting your supplier:

- Ensure the unit in which the Module is fitted is powered up.
- Ensure the Module is correctly installed.
- Ensure that the device at the far end of the segment is powered up and operating correctly.
- Ensure that the cable and connectors are free from damage and that the RJ45 connector at each end of the cable is correctly engaged in its appropriate socket.
- Check that the MDI/MDIX setting is correct for your configuration. See [“Setting the MDI/MDIX Link”](#), above.

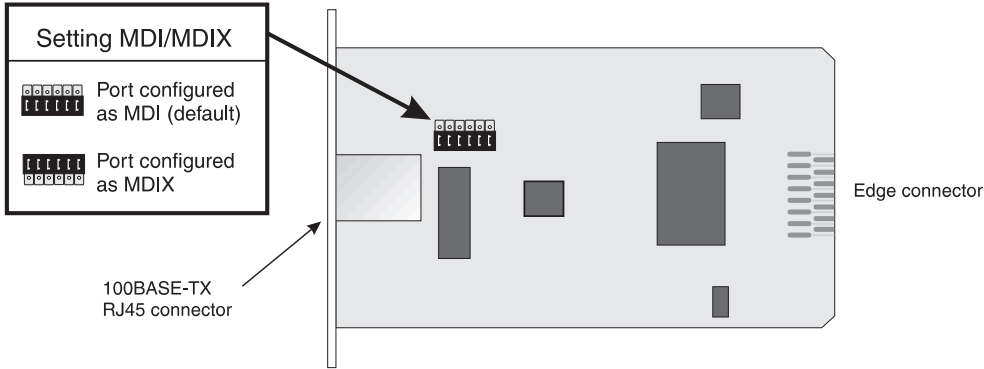


Figure 1 100BASE-TX Transceiver Module

Technical Specification

Operating temperature: 0–50°C (32–122°F)

Humidity: 0–95% non-condensing

Power consumption: 3W maximum

Standards:

Functional	ISO/IEC 8802-3 IEEE 802.3u
Safety	UL 1950 EN 60950 CSA 22.2 #950
Environmental	EN 60068
EMC	EN55022 Class B* FCC Part 15 Class A CSA M108.8 Class A EN50082-1 AS/NZS 3548 Class B* VCCI Class 2*

* Category 5 screened cables must be used to ensure compliance with the Class B / Class 2 requirements of this standard. The use of Category 5 unscreened cables complies with the Class A / Class 1 requirements.

Electromagnetic Compatibility

FCC Statement

This equipment has been tested with a Class A computing device and has been found to comply with part 15 of FCC Rules. Operation in a residential area may cause unacceptable interference to radio and TV receptions requiring the operator to take whatever steps are necessary to correct the interference.

CSA Statement

This Class A digital apparatus meets all requirements of the Canadian Interference-causing Equipment Regulations.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.